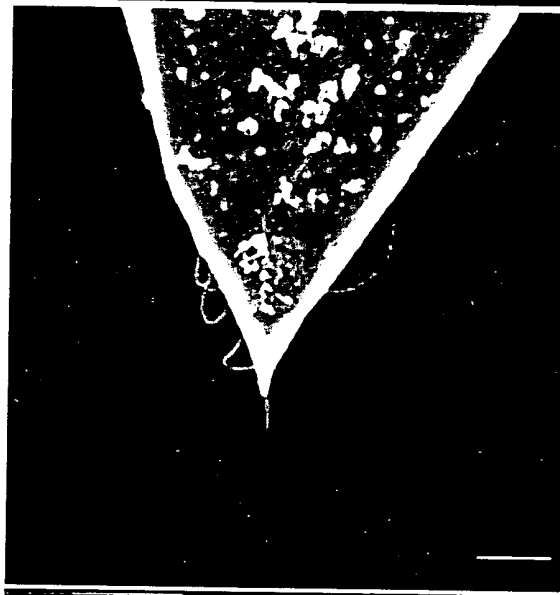


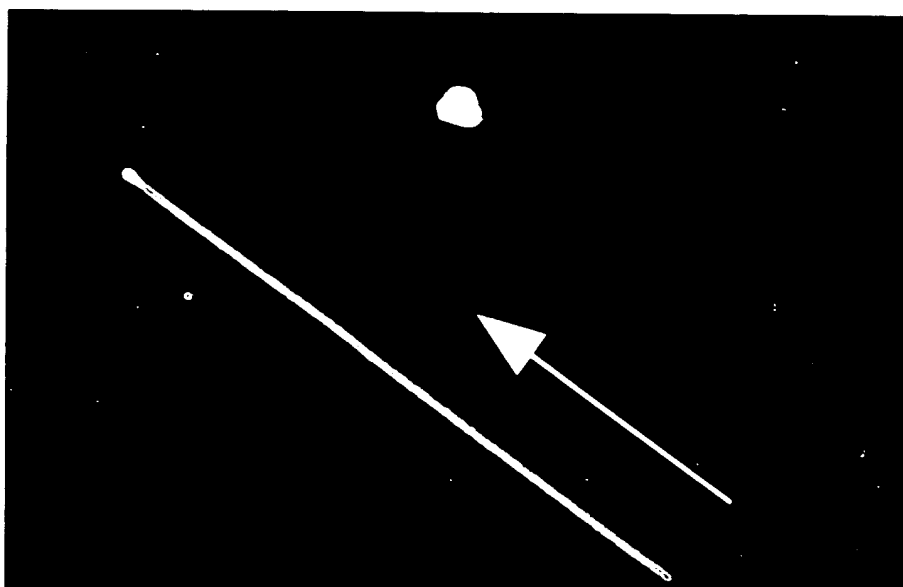
— FIG. 3A



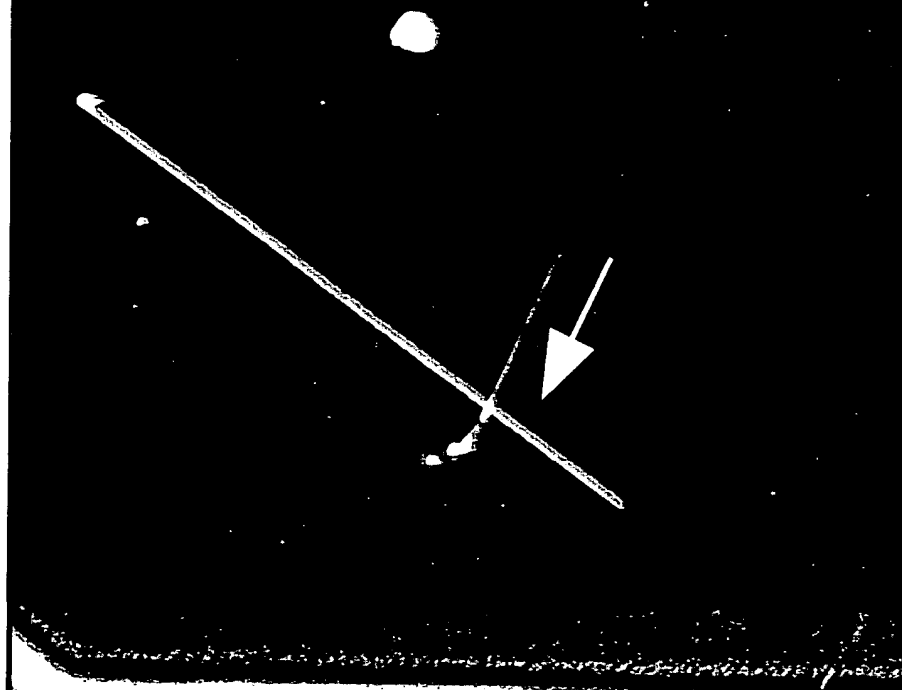
— FIG. 3B



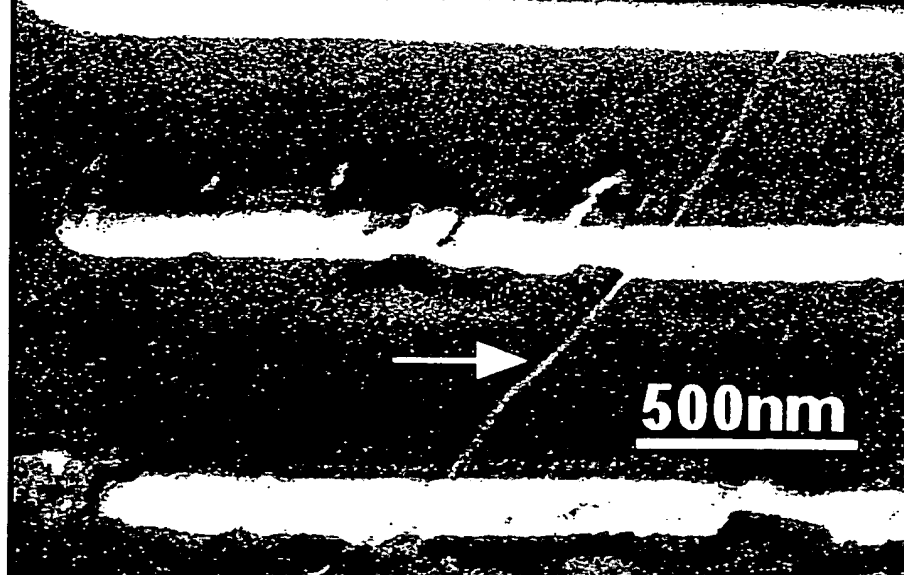
— FIG 3C



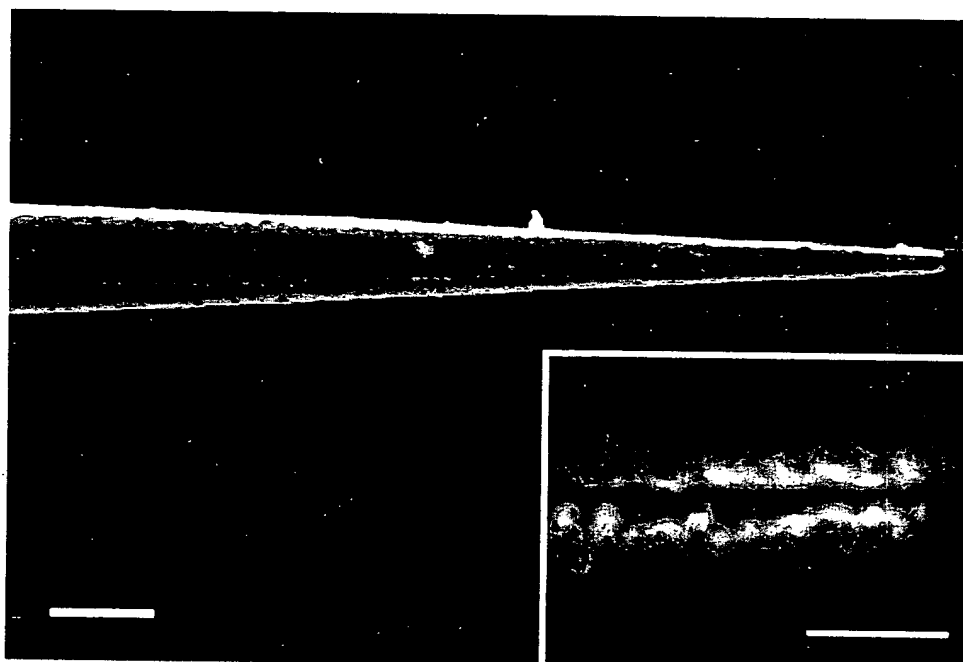
**FIG. 5A**



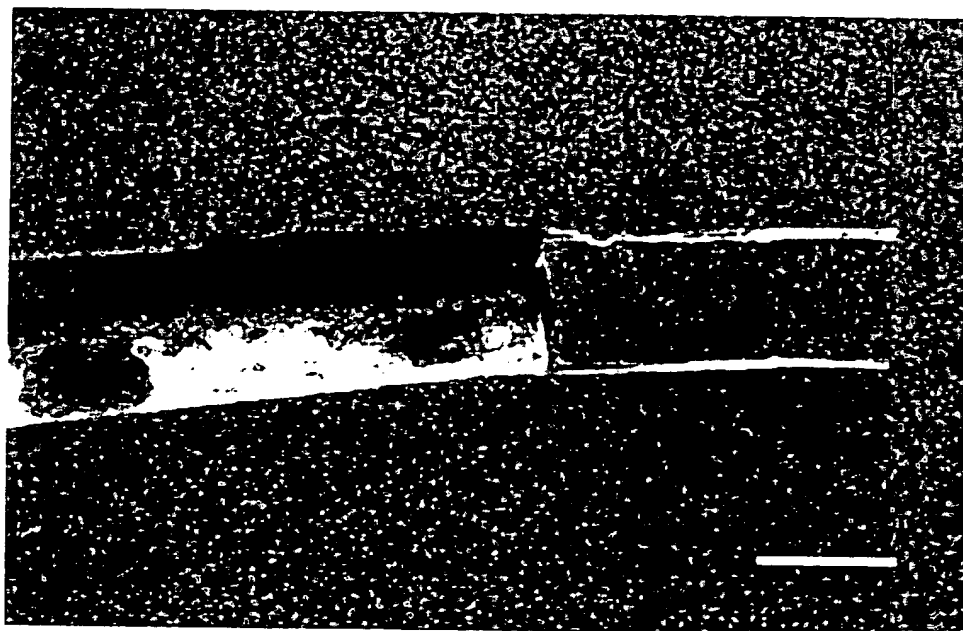
**FIG. 5B**



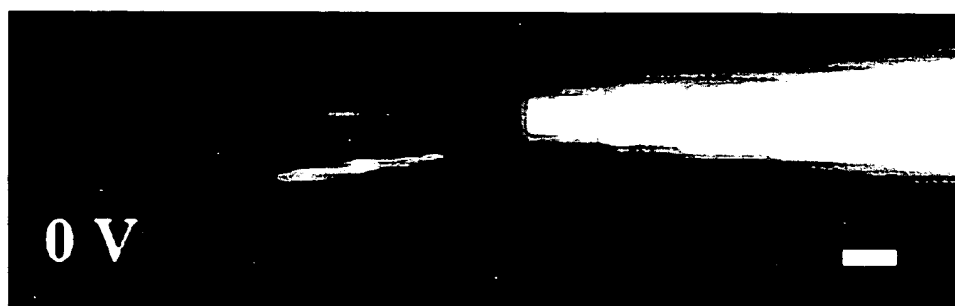
**FIG 5C**



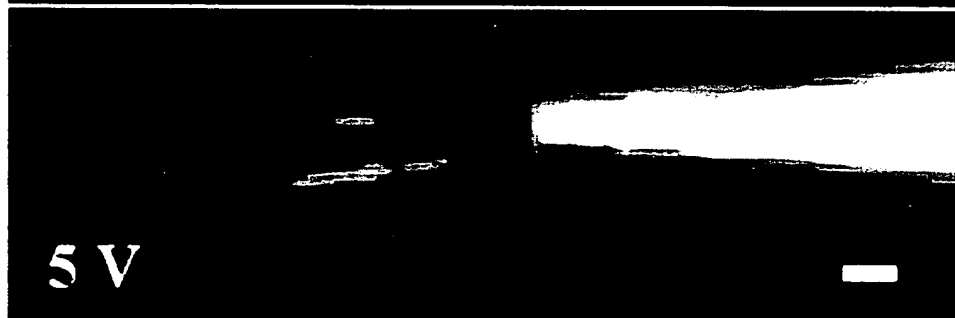
**FIG. 6B**



**FIG 6C**



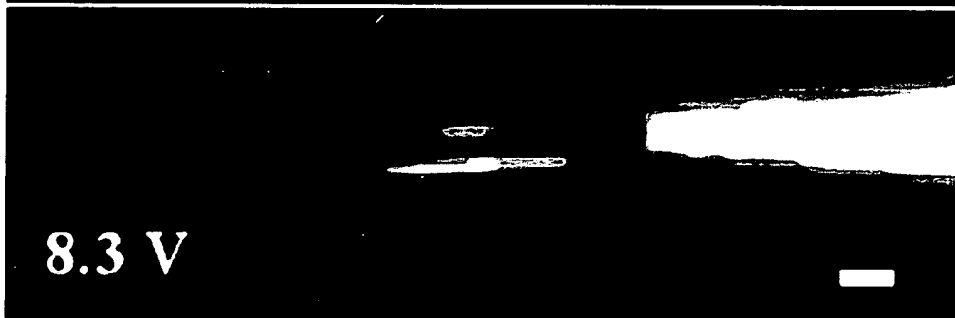
**FIG. 7A**



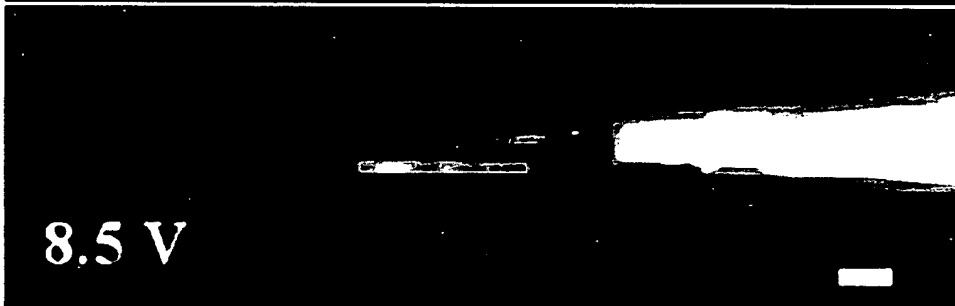
**FIG. 7B**



**FIG. 7C**



**FIG. 7D**



**FIG 7E**

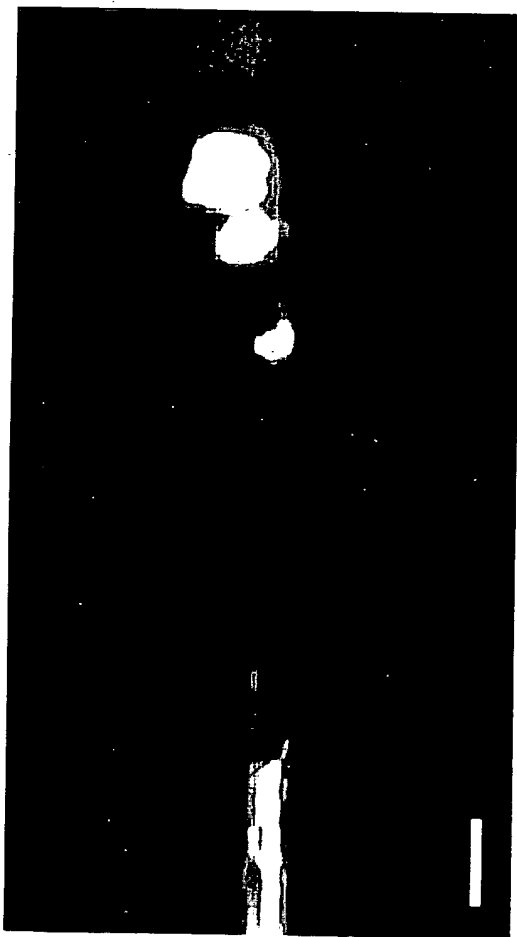


FIG. 8A

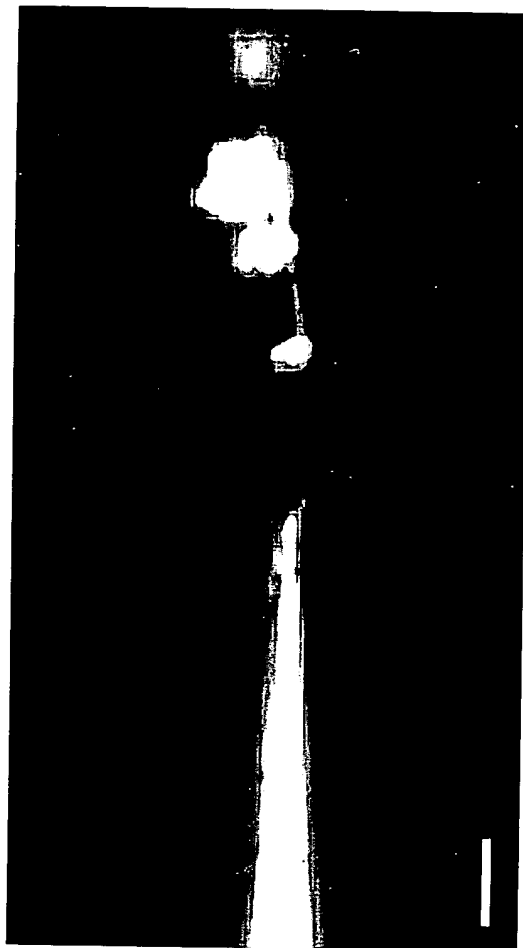


FIG. 8B

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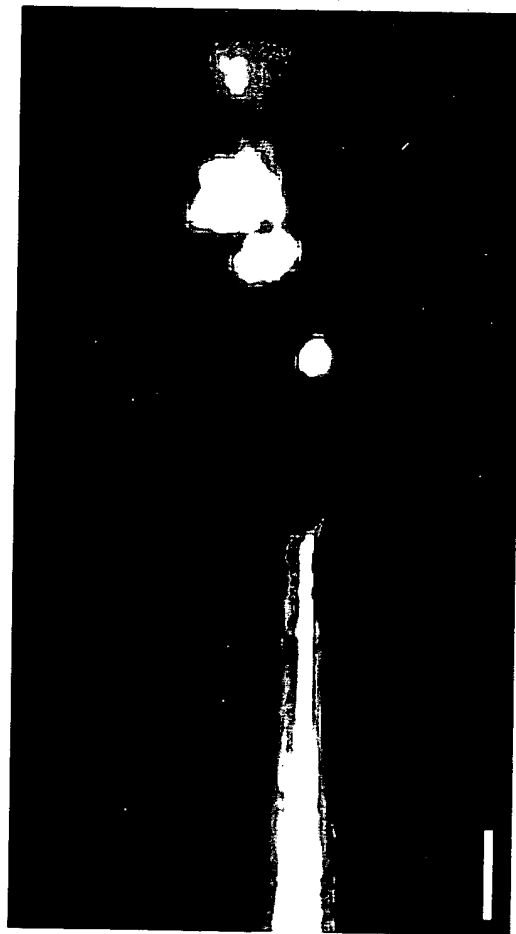


FIG. 8C

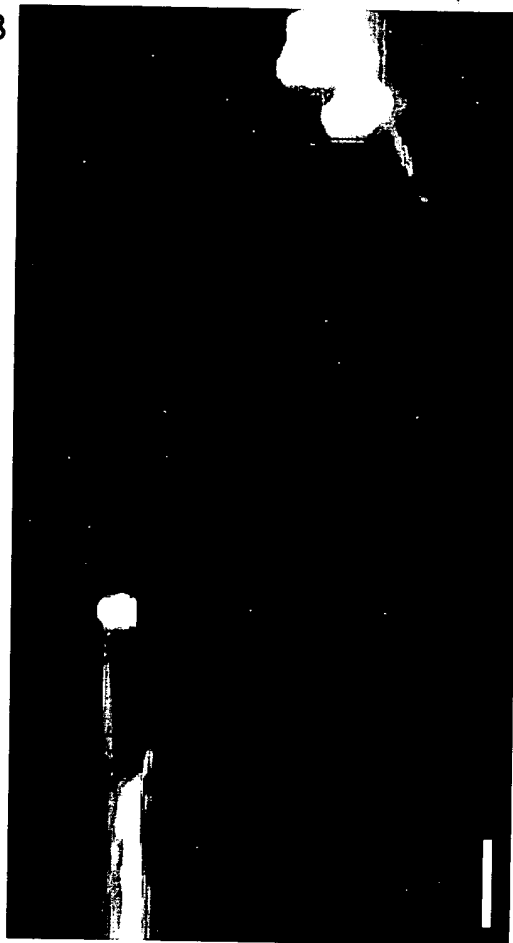
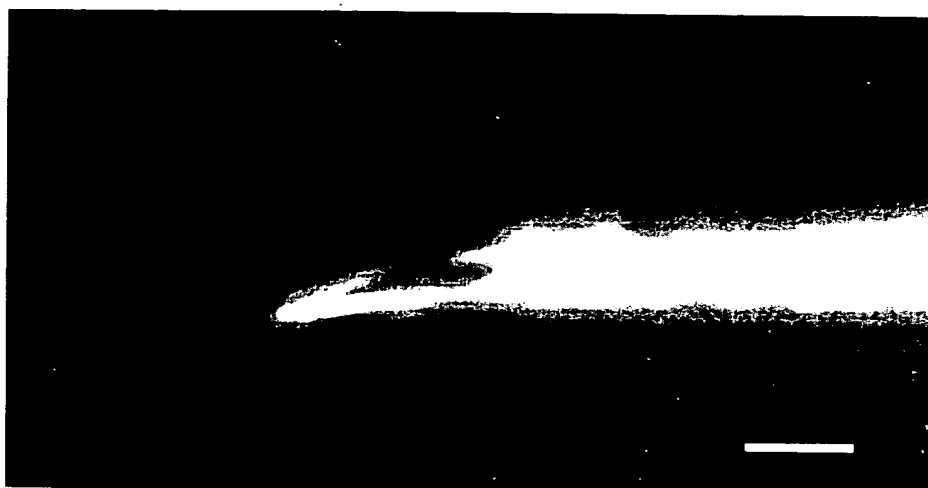
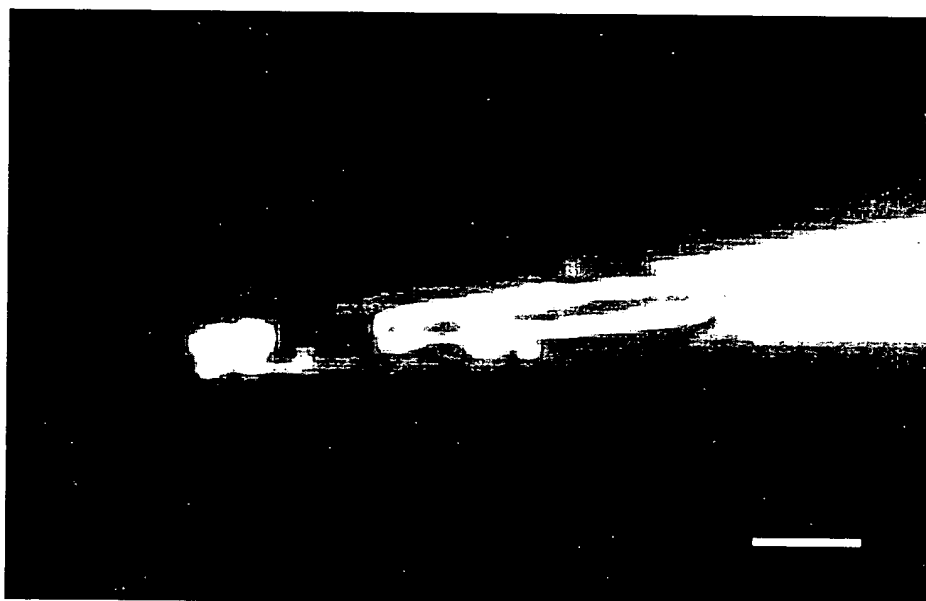


FIG. 8E

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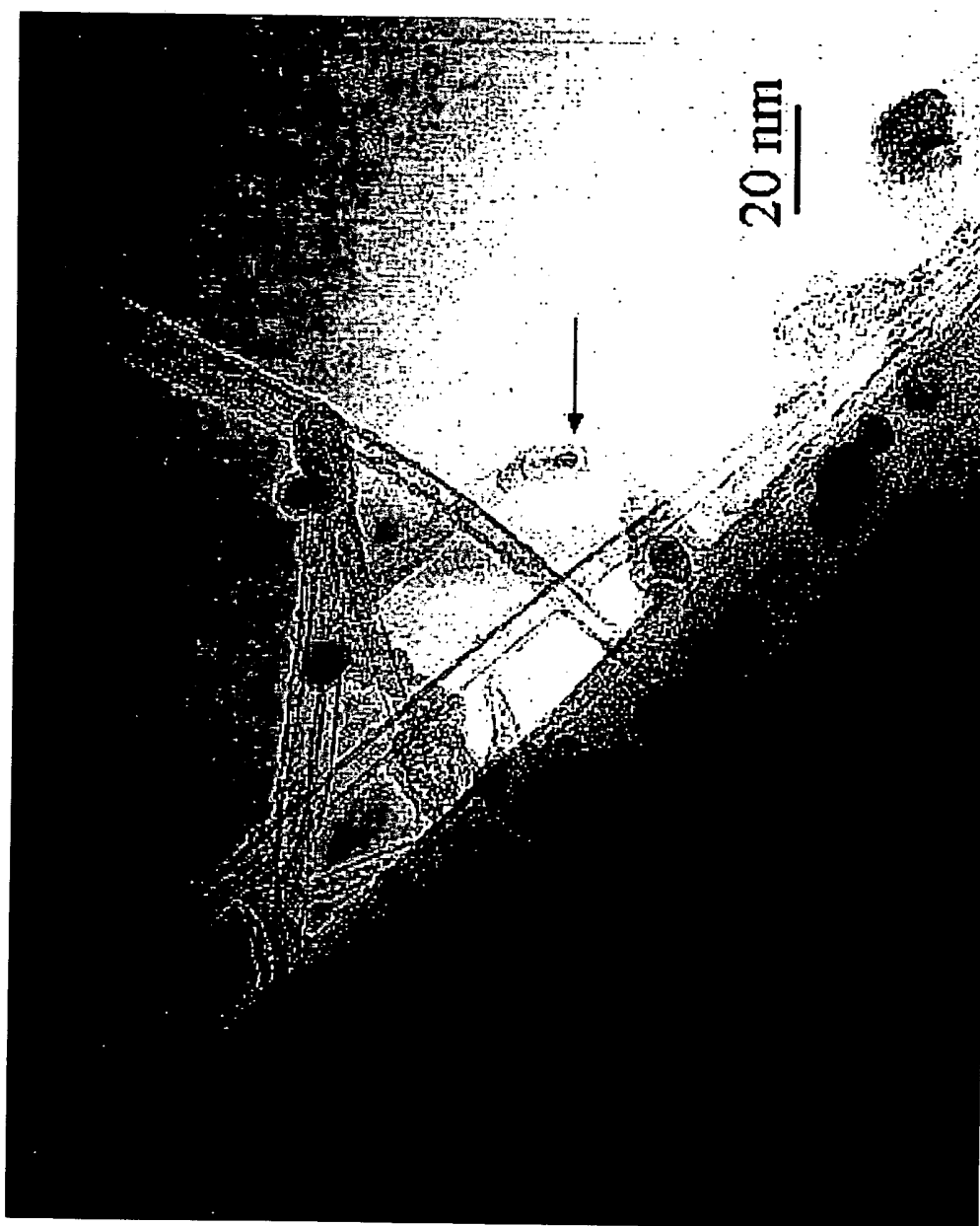
**FIG. 9A**



**FIG. 9B**



**FIG 9C**



Catalyst: FeOx 6L (black arrow) Majority of catalyst size: 4-6nm  
Carbon Source: C<sub>2</sub>H<sub>4</sub>, SWNT (white arrow) Majority of SWNT size: 4nm

**FIG. 10**

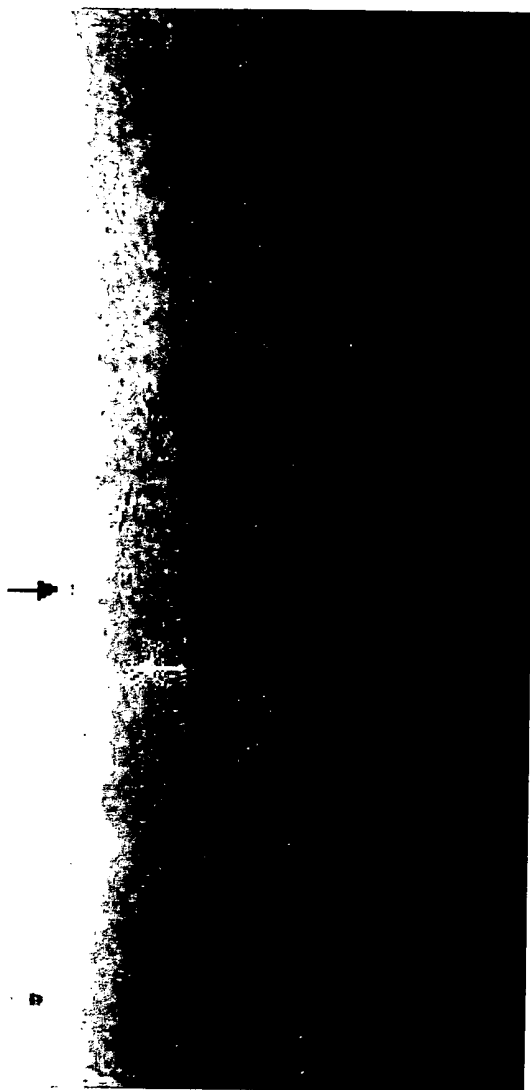


Catalyst: FeOx 2L  
Carbon source: CO  
0.8 nm SWNT (white arrow)

**FIG 11**

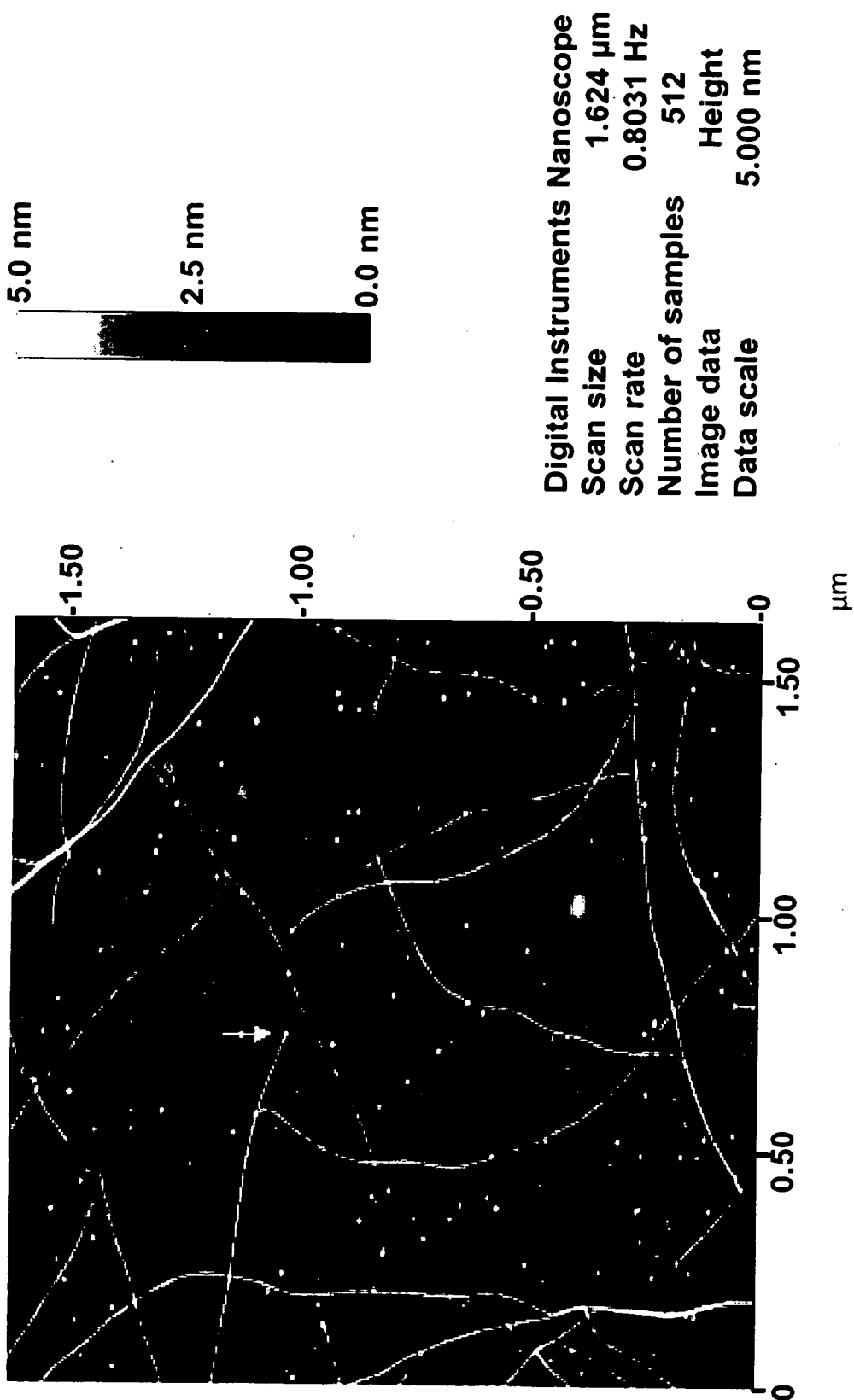


10 nm  
—



Catalyst: FeOx 2L (black arrow)  
Carbon source: CO, SWNT (white arrow)  
Majority of catalyst size: 1.5-3.5 nm  
Majority of nanotube size: 1.3-2.3 nm

**FIG. 12**



Catalyst: FeOx 6L (white arrow)  
Carbon source:  $\text{C}_2\text{H}_4$ , SWNT (black arrow)

**FIG 13**

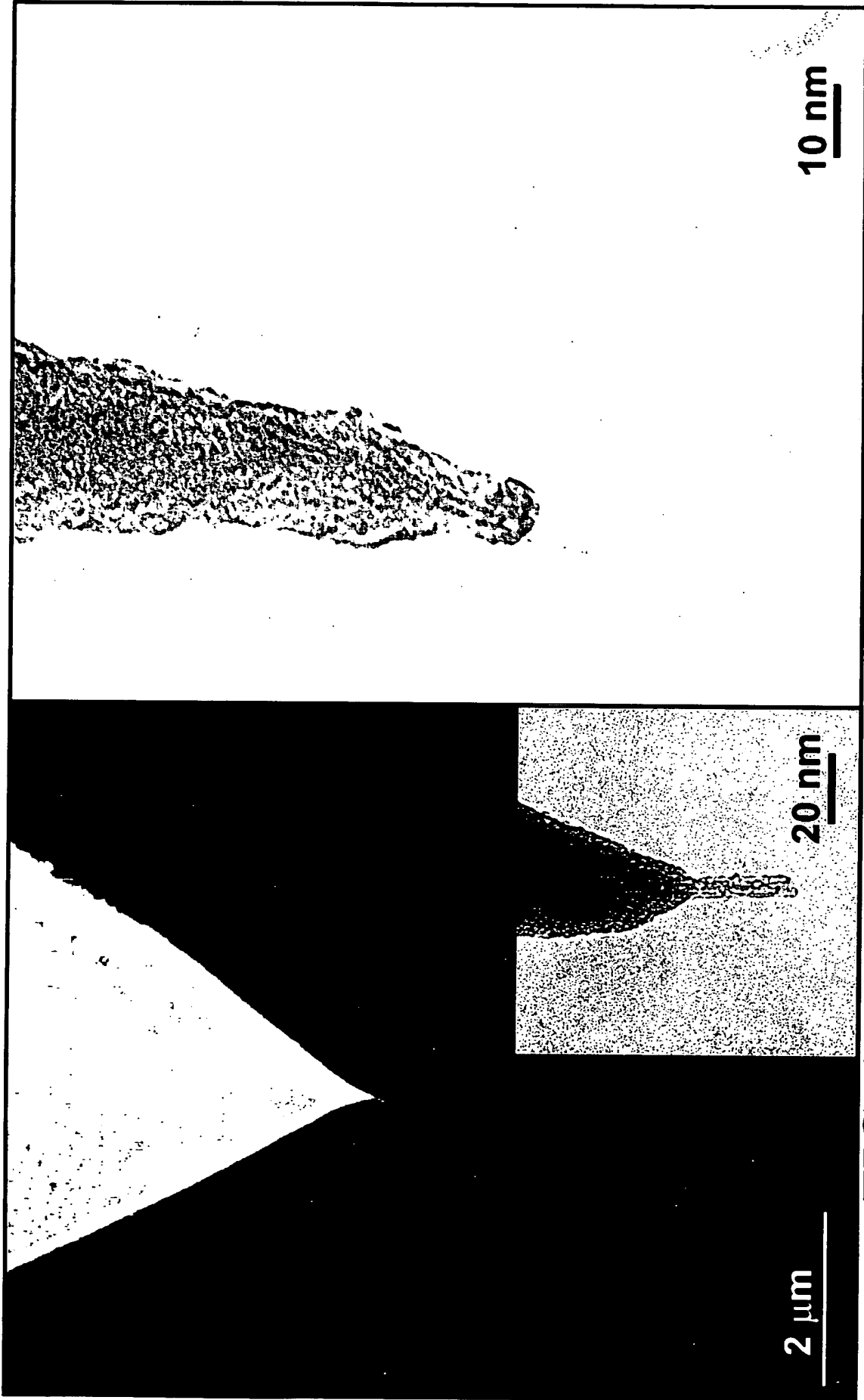


FIG. 15B

FIG. 15A